10-12-06

PTO/SB/21 (07-06)
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-03/							
ADEMP	ISMITTAL		Application Number	10/694,522			
*	FORM		Filing Date	October 27, 2003			
			First Named Inventor	Nobuaki Kamiyama			
(to be used for all correspondence after initial filing)		Art Unit	2861				
			Examiner Name	PHAM, Hai Chi			
Total Number of Pages	s in This Submission		Attorney Docket Number	9319G-000583			
		ENCLO	SURES (check all that apply)				
Fee Transmittal F	om	☐ Drawin		After Allowance Communication to Technology Center (TC)			
Fee Attached		Licensi	ng-related Papers	Appeal Communication to Board of Appeals and Interferences			
Amendment / Rep	bly	Petition	1	Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)			
After Final		_	n to Convert to a	Proprietary Information			
Power		Power	of Attorney, Revocation e of Correspondence Address	☐ Status Letter			
Extension of Time Request		☐ Termin	al Disclaimer	Other Enclosure(s) (please identify below):			
Express Abandonment Request		st for Refund mber of CD(s)	Form 1449 w/copies of cited references; return post card				
Information Disclo	sure Statement		Indecor CD(s)				
Certified Copy of I		Rema					
Reply to Missing F	Parts/						
Incomplete Applic							
Reply to Missi under 37 CFF	ing Parts R 1.52 or 1.53						
	SIGNA	TURE OF A	APPLICANT, ATTORNEY, O	R AGENT			
Firm <i>or</i> Individual name	Harness, Dickey &		Attorney Name	Reg. No. 27,382			
Signature J-/hugy Blunden							
Date	Date October 11, 2006						
	/ 0	ER/TIFICA	TE OF TRANSMISSION/MAII	LING			
I hereby certify that the Service with sufficient Alexandria, VA 22313	it postage as first (class mail in	imile transmitted to the USPTO an envelope addressed to: Co	or deposited with the United States Postal ommissioner for Patents, P.O. Box 1450,			

This collection of information is required by 37 CFP 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S. C. 1/22/and 37 CFR 1.14. This solication is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the ISPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form any or suggestions for reducing fulls forden, should be seek to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313 1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1455, Alexandria, VA 22313 1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

G. Gregory

Typed or printed name

Signature

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EV 757 778 105 US (10/11/2006)

October 11, 2006

HDP/SB/17 (02-06)
Approved for use through 07/31/2006. OMB 0651-0032
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FEE TRANSMITTAL for FY 2006

Effective 2/8/2006. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL	AMOUNT	OF	PAYMENT	(\$)	180	

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Complete if Known					
Application Number	10/694,522				
Filing Date	October 27, 2003				
First Named Inventor	Nobuaki Kamiyama				
Examiner Name	PHAM, Hai Chi				
Art Unit	2861				
Attorney Docket No.	9319G-000583				

METHOD OF PAYMENT (check all that apply)					555 641 644 451644 41 11					
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Deposit				\neg	1051	130	2051	65	Surcharge - late filing fee or oath	["]
Account Number	50-3213				1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
				_	1053	130	1053	130	Non-English specification	
Deposit Account	Encor D O D				1812	2,520	1812	2,520	For filing a request for reexamination	
Name	Epson R & D				1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
The Director is authorized to: (check all that apply) Charge fee(s) indicated below Credit any overpayments					1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
☐ Charge any additional fee(s) during the pendency of this application ☐ Charge fee(s) indicated below, except for the filing fee				tion	1251	120	2251	60	Extension for reply within first month	
to the above-identified deposit account.					1252	450	2252	225	Extension for reply within second month	
FEE CALCULATION					1253	1020	2253	510	Extension for reply within third month	
1. BASIC FILING FEE Large Entity Small Entity					1254	1,590	2254	795	Extension for reply within fourth month	
		Description			1255	2,160	2255	1080	Extension for reply within fifth month	
	ode (\$)	Description	Fee Pai	id	1401	500	2401	250	Notice of Appeal	
1.7	• • •	ty filing fee			1402	500	2402	250	Filing a brief in support of an appeal	
		ign filing fee			1403	1000	2403	500	Request for oral hearing	
		t filing fee		_	1452	500	2452	250	Petition to revive – unavoidable	
		sue filing fee			1453	1500	2453	750	Petition to revive – unintentional	
		isional filling		_	1462	400	1462	400	Petition fee under 37 CFR 1.17(f)	
					1463	200	1463	200	Petition fee under 37 CFR 1.17(g)	
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2. EXTRA CLA	M FEES FOR U Ext		D KEISSUE se from Fee		1007	30	1807	50	Processing fee under 37 CFR 1.17 (q)	\vdash
Total Claims			elow Pai		1806	180	1806	180	Submission of Information Disclosure Stmt	180
Independent Claims	-3 ** = 0	T î l	= 0	T	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
Multiple Dependent			= 0	=	1809	790	2809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	,
Large Entity	Small Entity				1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	
Fee Fee Code (\$)	Fee Fee Code (\$)	Fee Descrip	tion		1801	790	2801	395	Request for Continued Examination (RCE)	
1202 50	2202 25	Claims in ex	cess of 20		Other f	ee (speci	fy)			
1201 200	2201 100	•	claims in excess o			ced by B		nn Fee	Paid SUBTOTAL (3) (\$)180	,
1203 - 360	2203 180		endent claim, if not			•		•	ON FEES	<u>'</u>
1204 200	2204 100		dependent claims	over						
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					1312	130	2312	65	Design Examination Fee	
1313 160 2313 80 Plant Examination Fee										
					1314	600	2314	300	Reissue Examination Fee	
**or number previo	usly paid, if greater; Fo	or Reissues, s	ee above		<u> </u>				SUBTOTAL (4) (\$)0	
SUBMITTED BY		1		_					Complete (if applicable)	
Name (Print/Type)	G. Gregory Sc	chiyay 3	Registration (Attorney/Ag	NG. (ent)	1.	127.	382		Telephone 248 641 1600	

Signature October 11, 2006

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/694,522

Filing Date:

October 27, 2003

Applicant:

Nobuaki Kamiyama

Group Art Unit:

2861

Examiner:

PHAM, Hai Chi

Title:

DETECTION APPARATUS AND DETECTING METHOD, DROPLET DISCHARGE APPARATUS AND DROPLET DISCHARGE METHOD, DEVICE AND **ELECTRONIC**

EQUIPMENT

Attorney Docket:

9319G-000583

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. COPIES

A. Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) each unpublished U.S. application listed below in Section IV (i.e., including the specification, claims, and any drawing of the application, or that portion of the application which caused it to be listed, including any claims directed to that portion), except for such applications filed on or after June 30, 2003, pursuant to

Serial No. 10/694,522

	the Waiver of the Copy Requirement in 37 C.F.R. 1.98 (OG Notice dated October 19, 2004); and (iv) all other information or that portion which caused it to be listed.
	B. Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:
	U.S. Serial Number U.S. Filing Date
	C. This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search report are listed on the attached Form 1449 for consideration by the Examiner and for listing on any patent resulting from this application. If the International Search report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g).)
III.	CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)
	A. Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).
	B. A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):
	1.⊠See the attached foreign patent office communication regarding a related foreign application in: Japan
	2. English translations are provided as follows: As indicated on attached Form 1449.
	3. Other:
	C. The following additional information is provided for the Examiner's consideration:
IV.	CROSS REFERENCE TO RELATED APPLICATION(S)
	A. The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By

bringing this(these) application(s) to the Examiner's attention, Applicant(s) does (do) not waive the confidentiality provisions of 35 U.S.C. § 122.

Serial No.

Filing Date

Inventor(s)

V.	THIS IDS IS BEING FILED UNDER
	A.
	1. within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
	2. within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
	3. before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p)
	4. before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.
	B.
	before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.
	1. No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
	2. See the certification below. No fee is required.
	C. 🖂 37 C.F.R. § 1.97(d):

after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before

Serial No. 10/694,522

payment of the issue fee.

VI.	CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)
	The undersigned hereby certifies that:
	A. \boxtimes each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII if applicable; or
	B. no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item or information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).
	C. some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.
VII.	STATEMENT UNDER 37 C.F.R. 1.704(d)
	The undersigned hereby states that:
	each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.
VIII.	PAYMENT OF FEES (check only one box, if applicable)

A. \square A check in the amount of \$180.00 is enclosed for the above-identified fee.

1. \boxtimes See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

B. \boxtimes Please charge Deposit Account No. 50-3213 in the amount of \$180.00 for the above-identified fee.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 50-3213 (Epson R&D).

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 50-3213 (Epson R&D).

Respectfully submitted,

No. 2

Dated: October 11, 2006

Harness, Dickey & Pierce, P.L.C. P.O. Box 828 Bloomfield Hills, Michigan 48303 (248) 641-1600

GGS/slm

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Massed on Form PTO-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET NO.	SERIAL NO.
9319G-000583	10/694,522
APPLICANT	
Nobuaki Kamiyama	
FILING DATE	GROUP
October 27, 2003	2861

U.S. P	J.S. PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date		
1.						g		

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation * Yes No	
1.		11-179934	7/6/1999	Japan		Abstract	
2.		10-286963	10/27/1998	Japan		Abstract	
3.		2001-113681	4/24/2001	Japan		Abstract	
4.		2001-113677	4/24/2001	Japan		Abstract	
5.		2000-351202	12/19/2000	Japan		Abstract	

OTHE	OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)					
Ref. Desig.	Examiner's Initials		12			
1.		Communication from Japanese Patent Office re: related application.				

*One or more of the English translation documents submitted herewith may be Abstracts only or partial machine created translations from the Japanese Patent Office. As such, the submitter does not necessarily vouch for their accuracy. Additional information may be obtained from the Japanese Patent Office web site at www.ipo.go.ip

Examiner:	Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.